UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/808,338	03/25/2004	Tomohiro Suzuki	119234	5443

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EXAMINER
CHAVIS, JOHN Q

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _04 August 2008_.

2a)☐ This action is **FINAL.**   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _1-29_ is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) _1-29_ is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on _04 August 2008_ is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☒ All   b)☐ Some *   c)☐ None of:

      1.☒ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act

of 1999 (AIPA) and the Intellectual Property and High Technology Technical

Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting

directly or indirectly from an international application filed before November 29, 2000.

Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior

to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

2.   Claims 1-24 are rejected under 35 U.S.C. 102(e) as being anticipated by Cheng

et al. (6,668,289).

   1. (Currently Amended) An uninstall device (see the title, abstract and fig. 2),

comprising:

a processor means for executing instructions and processes (see figs. 1, 2 and 7);

a memory means for storing the processor means (see figs. 1,2 and 7);

installing means (see col. 3 lines 14-16) executing an installation process for recording,

in a device registration area (see col. 18 lines 38-46) managed by an operating system,

function-specific device specification data, which is data to enable an operating system

to identify a function of a device, in association with device driver specification data,

which is data for specifying a device driver as a program for controlling the device to

execute the function (see col. 7 Lines 50-57 and col. 18 lines 54-57);

additional installing means for performing an additional installation process for recording

at least one of the function-specific device specification data and the device driver

specification data in an additional registration area in association with device

specification data, which is data indicating the device (see col. 5 lines 14-21, col. 1 lines

24-40, col. 3 lines 5-16);

uninstall request receiving means for performing a process to receive an

uninstall request from a user targeting the device (see col. 9 Lines 34-55); and

uninstalling means for performing, when an uninstall request for the device is

received from the user by the uninstall request receiving means, an uninstallation

process for removing, from the device registration area, the device driver specification

data that is associated with the function-specific device specification data for the device

targeted for uninstallation, by using the at least one of the function-specific device

specification data (see col. 11 lines 13-22) the device driver specification data that is

stored in the additional registration area in

association with the device specification data indicating the device targeted for

uninstallation.

2. (Original) An uninstall device according to Claim 1,

wherein the installing means executes the installation process for recording, in

the device registration area, the function-specific device specification data further in

association with input/output interface specification data, which is data for specifying an

input/output interface used for performing communications to control the device; the

installing means enabling the operating system to find the function-specific device

specification data recorded in the device registration area and to execute the function

possessed by the device by controlling the device with the device driver specified by the

device driver specification data that is associated with the function-specific device

specification data via the input/output interface that is specified by the input/output

interface specification data that is associated with the function-specific device

specification data (see col. 3 lines 44-67 and the cited portions above);

wherein the uninstalling means performs the uninstallation process by further

removing, from the device registration area, the input/output interface specification data

that is associated with the function-specific device specification data for the device,

thereby preventing the operating system from controlling the device to execute the

function (see col. 3 lines 62-67, col. 9 lines 1-20 and col. 11 lines 8-22);

wherein the uninstalling means executes the uninstallation process based on

the function-specific device specification data by removing entries of the input/output

interface specification data and the device driver specification data, which are stored in

the device registration area in association with the function-specific device specification

data that is stored in the additional registration area in association with the device

specification data for the device targeted for uninstallation (see col. 18 lines 42-65, col.

20 lines 29-32 and col. 21 lines 38-41); and

wherein the uninstalling means executes the uninstallation process based on

the device driver specification data by removing entries of the device driver specification

data and the input/output interface specification data that are stored in the device

registration area in association with the device driver specification data that is stored in

the additional registration area in association with the device specification data for the

device targeted for uninstallation (see col. 24 lines 31-61).

3. (Original) An uninstall device according to Claim 1, further comprising

installation procedure storing means for storing installation procedure data including an

indication of whether the device driver is to be installed for the function possessed by

the device (see col. 3 lines 38-43, see also claims 1-24 of the reference);

wherein the installing means determines whether a device driver is to be installed for

enabling the operating system to control the device to execute the function, and installs

the device driver when necessary according to the installation procedure stored in the

installation procedure storing means (see col. 3 lines 44-69).

4. (Original) An uninstall device according to Claim 1,

wherein the device includes a plurality of devices,

wherein the uninstall request receiving means receives an uninstall request

from the user by prompting the user to select at least one device as the target for

uninstallation; and

wherein the uninstalling means performs the uninstallation process for the device

selected by the user as the target of uninstallation (see the rejections above).

5. (Original) An uninstall device according to Claim 4, wherein when the user

selects two or more devices as the target of uninstallation, the uninstalling means

performs the uninstallation process for all the user's selected two or more devices

(see the rejections above and claim 19).

6. (Original) An uninstall device according to Claim 4, further comprising a

display,

wherein the additional installing means performs another additional

installation process to record device identification data, which is data enabling the user

to identify each device, in the additional registration area in association with the device

specification data for the each device (see the cited portions above that specifies the

(see col. 13 lines 18-23); and

wherein the uninstall request receiving means performs a process to control the display

to show the device identification data stored in the additional registration area and to

prompt the user to select at least one device as the target of uninstallation based on the

displayed device identification data (see col. 9 lines 40-53).

7. (Original) An uninstall device according to Claim 6, wherein the device

identification data for each device includes the input/output interface specification data

for the device ((see the rejections above) and col. 6 lines 36-45).

8. (Original) An uninstall device according to Claim 7, wherein the uninstall

request receiving means reads the function-specific device specification data that

corresponds to the selected device from the additional registration area and controls the

display to show the device driver specification data (see the rejections above).

9. (Previously Presented) An uninstall device according to Claim 4, further

comprising a display,

wherein the additional installing means performs another additional installation process

to record device identification data, which is data enabling the user to identify each

device, and model specification data, which is data specifying the model of the each

device, in the additional registration area in association with each other; and

the uninstall request receiving means performs a process to control the display to show

the model specification data stored in the additional registration area and to prompt the

user to select model specification data as the target of uninstallation, and sets, as a

device targeted for uninstallation, all the device that is identified by device identification

data that is stored in the additional registration area in association with the model

specification data selected by the user as the target for uninstallation (see the rejections

above).

10. (Original) An uninstall device according to Claim 9, wherein the uninstall

request receiving means controls the display to show, in association with the model

specification data, the device identification data that are stored in the additional

registration area in association with the model specification data (see the rejections

above).

11. (Original) An uninstall device according to Claim 1, wherein the functions of

the device include at least one of a printer function, an image scanner function, and a

fax communication function (see the rejections above, col. 6 lines 26-35 and col. 11

lines 23-33).

12. (Original) An uninstall device according to Claim 1, wherein the device is a

multifunction device having two or more different functions (see the rejections above).

In reference to claims 13, 15, 19, 21 and 23, see the rejection of claim 1.

As per claims 14, 16, 20, 22, and 24, see the rejection of claim 2.

Claim Rejections - 35 USC § 103

3.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

4.   Claims 25-29 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Cheng et al. in view of merely selecting a specific type of device to utilize. Cheng

indicates that a device is selected for installing/uninstalling; but, he does not indicate

specific components to represent the devices. However it would have been obvious to a

person having ordinary skill in the art at the time of the invention to merely select a

specific device that utilizes multiple functions; such as a printer (that also has fax, copier

or scanner functions- i.e. multifunctions).

5.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to John Chavis whose telephone number is (571) 272-

3720. The examiner can normally be reached on M-F, 9:00am-5:30pm, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Lewis Bullock can be reached on (571) 272-3759. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/John Chavis/
Primary Examiner, Art Unit 2193